# THE ASTROPHYSICAL JOURNAL CONTENTS OF VOLUME 596, PART 1

#### 2003 OCTOBER 10, NUMBER 1

	Page
PROBING BEYOND THE EPOCH OF HYDROGEN REIONIZATION WITH 21 CENTIMETER RADIA Benedetta Ciardi & Piero Madau	ATION 1
THE THERMAL MEMORY OF REIONIZATION HISTORY © Lam Hui & Zoltán Haiman	9
CONSTRAINED SIMULATIONS OF THE REAL UNIVERSE: THE LOCAL SUPERCLUSTER Anatoly Klypin, Yehuda Hoffman, Andrey V. Kravtsov, & Stefan Gottlöber	19
FORMATION OF THE FIRST SUPERMASSIVE BLACK HOLES © Volker Bromm & Abraham Loch	34
GALAXY FORMATION: COLD DARK MATTER, FEEDBACK. AND THE HUBBLE SEQUENCE Jesper Sommer-Larsen, Martin Götz. & Laura Portinari	47
DISCOVERY OF A CLUSTERED QUASAR PAIR AT z ≈ 5: BIASED PEAKS IN EARLY STRUCTURE FORMATION S. G. Djorgovski, D. Stern, A. A. Mahahal, & R. Brunner	67
A RELATION BETWEEN SUPERMASSIVE BLACK HOLE MASS AND QUASAR METALLICITY? Craig Warner, Fred Hamann, & Matthias Dietrich	72
Fe xxv AND Fe xxvi DIAGNOSTICS OF THE BLACK HOLE AND ACCRETION DISK IN ACTIVE CHANDRA TIME-RESOLVED GRATING SPECTROSCOPY OF NGC 7314  Tahir Yaqoob, Ian M. George, Timothy R. Kallman, Urmila Padmanabhan, Kimberly A. Weaver, & T. J. Turner	GALAXIES: 85
EXTENDED X-RAY EMISSION AROUND 4C 41.17 AT $z=3.8$ © Caleb Scharf, Ian Smail, Rob Ivison, Richard Bower, Wil van Breugei, & Michiel Reuland	105
CAN A DUSTY WARM ABSORBER MODEL REPRODUCE THE SOFT X-RAY SPECTRA OF MCG -6-30-15 AND MARKARIAN 766? © Masao Sako, Steven M. Kahn, Graziella Brandwardi-Raymont, Jelle S. Kaastra, Albert C. Brinkman, Mathew J. Page Ehud Behar, Frits Paerels, Ali Kinkhabwala, Duane A. Liedahl, & Jan Willem den Herder	114
EVOLUTION OF CLUSTER ELLIPTICAL GALAXIES  L. Felipe Barrientos & Simon J. Lilly	129
THE STAR-FORMING DWARF GALAXY POPULATIONS OF TWO z ~ 0.4 CLUSTERS: MS 1512.4+3647 AND A851  Jennifer M. Lotz, Crystol L. Martin, & Henry C. Ferguson	143
CIRCULATION FLOWS: COOLING FLOWS WITH BUBBLE RETURN William G. Mathews, Fabrizio Brighenti, David A. Buote, & Aaron D. Lewis	159
SPATIAL DISTRIBUTIONS OF A3558 IN THE CORE REGION OF THE SHAPLEY SUPERCLUSTER F. Akimoto, K. Kondou, A. Furuzawa, Y. Tawara, & K. Yamashita	170
CHANDRA OBSERVATION OF THE CORE OF THE GALAXY CLUSTER AWM 7 T. Furusho, N. Y. Yamasaki, & T. Ohashi	181
A CHANDRA STUDY OF THE COMPLEX STRUCTURE IN THE CORE OF 2A 0335+096 P. Mazzotta, A. C. Edge, & M. Markevitch	190
CONSTRAINTS OF THE CLUMPINESS OF DARK MATTER HALOS THROUGH HEATING OF TH DISK GALAXIES Eliani Ardi, Toshio Tsuchiya, & Andreas Burkert	HE 204
CONSTRAINTS ON COLD DARK MATTER IN THE GAMMA-RAY HALO OF NGC 253 R. Enomoto, T. Yoshida, S. Yanagita, & C. Itoh	216
BRANCH, SPUR, AND FEATHER FORMATION IN SPIRAL GALAXIES © S. Chakrabarti, G. Laughlin, & F. H. Shu	220
KINEMATIC MASSES OF SUPER-STAR CLUSTERS IN M82 FROM HIGH-RESOLUTION NEAR-INFRARED SPECTROSCOPY Nate McCrady, Andrea M. Gilbert, & James R. Graham	240

	rage
DEEP HUBBLE SPACE TELESCOPE IMAGING OF IC 1613. II. THE STAR FORMATION HISTORY Evan D. Skillman, Eline Tolstoy, Andrew A. Cole, Andrew E. Dolphin, Abhijit Saha, J. S. Gallagher, R. C. Dohm-Palmer, & Mario Mateo	253
THE SPECTRUM OF INTEGRATED MILLIMETER FLUX OF THE MAGELLANIC CLOUDS AND 30 DORA FROM TOPHAT AND DIRBE DATA  J. E. Aguirre, J. J. Bezaire, E. S. Cheng, D. A. Cottingham, S. S. Cordone, T. M. Crawford, D. J. Fixsen, L. Knox, S. S. Meyer, H. U. Norgaard-Nielsen, R. F. Silverberg, P. Timbie, & G. W. Wilson	ADUS 273
SUPERNOVA REMNANT CANDIDATES IN THE 30 DORADUS NEBULA J. S. Lazendic, J. R. Dickel, & P. A. Jones	287
RR LYRAE STARS IN GALACTIC GLOBULAR CLUSTERS. II. A THEORETICAL APPROACH TO VARIABLES IN M3 M. Marconi, F. Caputo, M. Di Criscienzo, & M. Castellani	299
THE FATE OF STAR CLUSTERS NEAR THE GALACTIC CENTER. I. ANALYTIC CONSIDERATIONS Stephen L. W. McMillan & Simon F. Portegies Zwart	314
X-RAY EMISSION FROM A SAMPLE OF YOUNG SUPERNOVAE Joel N. Bregman, John C. Houck, Roger A. Chevalier, & Morton S. Roberts	323
INTERSTELLAR HYDROXYL MASERS IN THE GALAXY. II. ZEEMAN PAIRS AND THE GALACTIC MAGNETIC FIELD  Vincent L. Fish, Mark J. Reid, Alice L. Argon, & Karl M. Menten	328
DUAL COMETARY H II REGIONS IN DR 21: BOW SHOCKS OR CHAMPAGNE FLOWS? C. J. Cyganowski, M. J. Reid, V. L. Fish, & P. T. P. Ho	344
ABUNDANCES AND PHYSICAL CONDITIONS IN THE INTERSTELLAR GAS TOWARD HD 185418  Paule Sonnentrucker, Scott D. Friedman, Daniel E. Welty, Donald G. York, & Theodore P. Snow	350
MOLECULAR COUNTERPARTS OF ULTRACOMPACT H II REGIONS WITH EXTENDED ENVELOPES Kee-Tae Kim & Bon-Chul Koo	362
DISK PROPERTIES AND DENSITY STRUCTURE OF THE STAR-FORMING DENSE CORE B335 Daniel W. A. Harvey, David J. Wilner, Philip C. Myers, & Mario Tafalla	383
SEARCH FOR RELATIVISTIC CURVATURE EFFECTS IN GAMMA-RAY BURST PULSES Dan Kocevski, Felix Ryde, & Edison Liang	389
EXPLOSIVE NUCLEOSYNTHESIS ASSOCIATED WITH FORMATION OF JET-INDUCED GAMMA-RAY BUI IN MASSIVE STARS © S. Nagataki, A. Mizuta, S. Yamada, H. Takabe, & K. Sato	RSTS 401
BLACK HOLE ACCRETION DISKS ON THE EDGE Kristen Menou	414
MODEL FOR RELAXATION OSCILLATIONS OF A LUMINOUS ACCRETION DISK IN GRS 1915+105: VARIABLE INNER EDGE Ken-ya Watarai & Shin Mineshige	421
SPECTRAL ENERGY DISTRIBUTION IN SUPERCRITICAL DISK ACCRETION FLOWS THROUGH PHOTON-TRAPPING EFFECTS  Ken Ohsuga, Shin Mineshige, & Ken-ya Watarai	429
STELLAR-MASS BLACK HOLES IN THE SOLAR NEIGHBORHOOD  James R. Chisholm, Scott Dodelson, & Edward W. Kolb	437
SURFACE PHOTON EMISSIVITY OF BARE STRANGE STARS K. S. Cheng & T. Harko	451
THE 2001 APRIL BURST ACTIVATION OF SGR 1900+14: PULSE PROPERTIES AND TORQUE P. M. Woods, C. Kouweliotou, E. Göğüş, M. H. Finger, M. Feroci, S. Mereghetti, J. H. Swank, K. Hurley, J. Heise, D. Smith, F. Frontera, C. Guidorzi, & C. Thompson	464
THE 2001 APRIL BURST ACTIVATION OF SGR 1900+14: X-RAY AFTERGLOW EMISSION M. Feroci, S. Mereghetti, P. Woods, C. Kouveliotou, E. Costa, D. D. Frederiks, S. V. Golenetskii, K. Hurley, E. Mazets, P. Soffitta, & M. Tavani	470
METAL LINES IN DA WHITE DWARFS © B. Zuckerman, D. Koester, I. N. Reid, & M. Hünsch	477
THE IMPACT OF POLLUTION ON STELLAR EVOLUTION MODELS  Aaron Dotter & Brian Chaboyer	496
ATMOSPHERIC MODELS OF RED GIANTS WITH MASSIVE-SCALE NON-LOCAL THERMODYNAMIC EQUILIBRIUM  C. I. Short & P. H. Hauschildt	501

LOCAL RADIATIVE HYDRODYNAMIC AND MAGNETOHYDRODYNAMIC INSTABILITIES IN OPTICALLY THICK MEDIA	Page 509
Omer Blaes & Aristotle Socrates  CONSTRAINTS FROM INFRARED SPACE OBSERVATORY DATA ON THE VELOCITY LAW AND	538
CLUMPINESS OF WR 136 R. Ignace, M. F. Quigley, & J. P. Cassinelli	500
A C-BAND SPECTRAL SCAN OF IRC +10°216 Esteban Araya, Peter Hofner, Paul Goldsmith, Slava Slysh, & Shuro Takano	556
THE NIRSPEC BROWN DWARF SPECTROSCOPIC SURVEY. I. LOW-RESOLUTION NEAR-INFRARED SPECTRA Ian S. McLean, Mark R. McGovern, Adam J. Burgasser, J. Davy Kirkpatrick, L. Prato, & Sungsoo S. Kim	561
BEYOND THE T DWARFS: THEORETICAL SPECTRA, COLORS, AND DETECTABILITY OF THE COOLEST BROWN DWARFS  Adam Burrows, David Sudarsky, & Jonathan I. Lunine	587
DISKS AROUND THE YOUNG STARS TW HYDRAE AND HD 100546 IMAGED AT 3.4 MILLIMETERS WITH THE AUSTRALIA TELESCOPE COMPACT ARRAY  D. J. Wilner, T. L. Bourke, C. M. Wright, J. K. Jorgensen, E. F. van Dishoeck, & T. Wong	597
MODEL SPECTRAL ENERGY DISTRIBUTIONS OF CIRCUMSTELLAR DEBRIS DISKS. I. ANALYTIC DISK DENSITY DISTRIBUTIONS Sebastian Wolf & Lynne A. Hillenbrand	603
HELIUM ABUNDANCE IN THE CORONA AND SOLAR WIND: GYROTROPIC MODELING FROM THE CHROMOSPHERE TO 1 AU  Oystein Lie-Svendsen, Viggo H. Hansteen, & Egil Leer	621
MAGNETOHYDRODYNAMIC SHOCK HEATING OF THE SOLAR CORONA J. A. Orta, M. A. Huerta, & G. C. Boynton	646
CORONAL PLUME HEATING AND KINETIC DISSIPATION OF KINETIC ALFVÉN WAVES D. J. Wu & C. Fang	656
A THREE-DIMENSIONAL SPHERICAL NONLINEAR INTERFACE DYNAMO K. Zhang, K. H. Chan, J. Zou, X. Liao, & G. Schubert	663
STABILITY ANALYSIS OF TACHOCLINE LATITUDINAL DIFFERENTIAL ROTATION AND COEXISTING TOROIDAL BAND USING A SHALLOW-WATER MODEL Mausumi Dikpati, Peter A. Gilman, & Matthias Rempel	680
WHAT CAUSES p-MODE ASYMMETRY REVERSAL?  Dali Georgobiani, Robert F. Stein, & Åke Nordlund	698
THE STRUCTURE OF HIGH STREHL RATIO POINT-SPREAD FUNCTIONS  Marshall D. Perrin, Anand Sivaramakrishnan, Russell B. Makidon, Ben R. Oppenheimer, & James R. Graham	702
2003 OCTOBER 20, NUMBER 2	
FUTURE EVOLUTION OF COSMIC STRUCTURE IN AN ACCELERATING UNIVERSE Michael T. Busha, Fred C. Adams, Risa H. Wechsler, & August E. Evrard	713
NORMAL PARAMETERS FOR AN ANALYTIC DESCRIPTION OF THE COSMIC MICROWAVE BACKGROUND COSMOLOGICAL PARAMETER LIKELIHOOD ®  Mike Chu, Manoj Kaplinghat, & Lloyd Knox	725
THE COSMIC EVOLUTION OF THE GALAXY LUMINOSITY DENSITY Francesco Calura & Francesca Matteucci	734
STAR FORMATION HISTORY AND OTHER PROPERTIES OF THE NORTHERN HUBBLE DEEP FIELD © Rodger I. Thompson	748
METALLICITY OF THE INTERGALACTIC MEDIUM USING PIXEL STATISTICS. II. THE DISTRIBUTION OF METALS AS TRACED BY C IV   Sop Schaye, Anthony Aguirre, Tae-Sun Kim, Tom Theuns, Michael Rauch, & Wallace L. W. Sargent	768
MASSIVE STAR FORMATION IN A GRAVITATIONALLY LENSED H II GALAXY AT z = 3.357 ® R. A. E. Fosbury, M. Villar-Martín, A. Humphrey, M. Lombardi, P. Rosati, D. Stern, R. N. Hook, B. P. Holden, S. A. Stanford, G. K. Squires, M. Rauch, & W. L. W. Sargent	797
CLUSTERING OF GALAXIES AT z ~ 3 AROUND THE PROBABLE DAMPED Lyα ABSORBER TOWARD QSO APM 08279+5255 Nicolas Bouché & James D. Lowenthal	810

	Page
Fe II/Mg II EMISSION-LINE RATIO IN HIGH-REDSHIFT QUASARS M. Dietrich, F. Hamann, I. Appenzeller, & M. Vestergaard	817
HOST GALAXIES OF LOW-: RADIO-LOUD QUASARS: A SEARCH OF HUBBLE SPACE TELESCOPE ARCHIVES Claudio Pagani, Renato Falomo, & Aldo Treves	830
THE INFLUENCE OF ELECTRON IMPACT IONIZATION IN THE RELATIVISTIC PICKUP OF INTERSTELLAR NEUTRALS  R. Schlickeiser, M. Pohl, & R. Vainio	840
COORDINATED MULTIWAVELENGTH OBSERVATIONS OF BL LACERTAE IN 2000 © M. Böttcher, A. P. Marscher, M. Ravasio, M. Villata, C. M. Raiteri, H. D. Aller, M. F. Aller, H. Teräsranta, O. Mang, G. Tagliaferri, F. Aharonian, H. Krawczynski, O. M. Kurtanidze, M. G. Nikolashvili, M. A. Ibrahimov, I. E. Papadakis, K. Tsinganos, K. Sadakane, N. Okada, L. O. Takalo, A. Sillanpää, G. Tosti, S. Ciprini, A. Frasca, E. Marilli, R. Robb, J. C. Noble, S. G. Jorstad, V. A. Hagen-Thorn, V. M. Larionov, R. Nesci, M. Maesano, R. D. Schwartz, J. Basler, P. W. Gorham, H. Iwamatsu, T. Kato, C. Pullen, E. Benitez, J. A. de Diego, M. Moilanen, A. Oksanen, D. Rodriguez, A. C. Sadun, M. Kelly, M. T. Carimi, H. R. Miller, S. Catalano, D. Dultzin-Hacyan, J. H. Fan, G. Ghisellini, R. Ishioka, H. Karttunen, P. Keinänen, N. A. Kudryavtseva, M. Lainela, L. Lanteri, E. G. Larionova, K. Matsumoto, J. R. Mattox, I. McHardy, F. Montagni, G. Nucciarelli, L. Ostorero, J. Papamastorakis, M. Pasanen, G. Sobrito, & M. Uemura	847
LONG-TERM EVOLUTION OF MASSIVE BLACK HOLE BINARIES Miloš Milosavljević & David Merritt	860
SHADOWING OF THE NASCENT JET IN NGC 4261 BY A LINE-EMITTING SUPERSONIC ACCRETION DISK Siming Liu, Michael J. Fromerth, & Fulvio Melia	879
THERMAL INSTABILITY IN CLUSTERS OF GALAXIES WITH CONDUCTION Woong-Tae Kim & Ramesh Narayan	889
KINEMATICS OF 10 EARLY-TYPE GALAXIES FROM HUBBLE SPACE TELESCOPE AND GROUND-BASED SPECTROSCOPY ®  Jason Pinkney, Karl Gebhardt, Ralf Bender, Gary Bower, Alan Dressler, S. M. Faber, Alexei V. Filippenko, Richard Green, Luis C. Ho, John Kormendy, Tod R. Lauer, John Mayorrian, Douglas Richstone, & Scott Tremaine	903
STAR FORMATION AND FEEDBACK IN DWARF GALAXIES Shawfeng Dong, D. N. C. Lin, & S. D. Murray	930
THE SERENDIPITOUS EXTRAGALACTIC X-RAY SOURCE IDENTIFICATION PROGRAM. I. CHARACTERISTICS OF THE HARD X-RAY SAMPLE © Fiona A. Harrison, Megan E. Eckart, Peter H. Mao, David J. Helfand, & Daniel Stern	944
HIGH-RESOLUTION MEASUREMENTS OF THE DARK MATTER HALO OF NGC 2976: EVIDENCE FOR A SHALLOW DENSITY PROFILE Joshua D. Simon, Alberto D. Bolatto, Adam Leroy, & Leo Blitz	957
SEARCHES FOR GIANT PULSES FROM EXTRAGALACTIC PULSARS ® M. A. McLaughlin & J. M. Cordes	982
SPACE TELESCOPE IMAGING SPECTROGRAPH SLITLESS OBSERVATIONS OF SMALL MAGELLANIC CLOUD PLANETARY NEBULAE: A STUDY ON MORPHOLOGY, EMISSION-LINE INTENSITY, AND EVOLUTION Letizia Stanghellini, Richard A. Shaw, Bruce Balick, Max Mutchler, J. Chris Blades, & Eva Villaver	997
STELLAR DYNAMICS IN THE CENTRAL ARCSECOND OF OUR GALAXY R. Schödel, T. Ott, R. Genzel, A. Eckart, N. Mouawad, & T. Alexander	1015
A KINSHIP BETWEEN THE EGRET SUPERNOVA REMNANTS AND SAGITTARIUS A EAST Marco Fatuzzo & Fulvio Melia	1035
A NEW METHOD FOR CALCULATING ARRIVAL DISTRIBUTION OF ULTRA-HIGH-ENERGY COSMIC RAYS ABOVE 10 <sup>19</sup> eV WITH MODIFICATIONS BY THE GALACTIC MAGNETIC FIELD ® Hiroyuki Yoshiyuchi, Shigehiro Nagataki, & Katsuhiko Sato	1044
KINEMATICS OF ULTRACOMPACT H II REGIONS REVEALED: HIGH SPATIAL AND SPECTRAL RESOLUTION MAPPING OF THE 12.8 MICRON [Ne II] LINE IN MONOCEROS R2 D. T. Jaffe, Q. Zhu, J. H. Lacy, & M. Richter	1053
A NEAR-INFRARED STUDY OF THE STAR-FORMING REGION S269   Zhibo Jiang, Yongqiang Yao, Ji Yang, Daisuke Baba, Daisuke Kato, Mikio Kurita, Chie Nagashima, Tetsuya Nagata, Takahiro Nagayama, Yasushi Nakajima, Miki Ishii, Motohide Tamura, & Koji Sugitani	106-
RELATIVISTIC MAGNETOHYDRODYNAMICS WITH APPLICATION TO GAMMA-RAY BURST OUTFLOWS. I. THEORY AND SEMIANALYTIC TRANS-ALFVENIC SOLUTIONS Notation Violatie & Ariah Könist	1080

vii

RELATIVISTIC MAGNETOHYDRODYNAMICS WITH APPLICATION TO GAMMA-RAY BURST OUTFLOWS. II.  SEMIANALYTIC SUPER-ALEVENIC SOLUTIONS Nektrains Vilabakis & Arich Köntigl  OBSERVATIONS OF GIANT OUTBURSTS FROM CYGNUS X-1 S. Golenetskii, R. Aptekar, D. Frederikk, E. Mazets, V. Palshin, K. Harley, T. Cline, & B. Stern  TRANSITION FROM COLLISIONLESS TO COLLISIONAL MAGNETOROTATIONAL INSTABILITY Proteck Sharma, Gregory W. Hammett, & Elliot Quataert  HOLLOW-CONE ACCRETION COLUMNS AND LIGHT-BENDING EFFECTS D. A. Leahy  THE VELA PULSAR'S PROPER MOTION AND PARALLAX DERIVED FROM VLBI OBSERVATIONS R. Dadson, D. Leage, J. E. Reynolds, & P. M. McCulloch SEARCHES FOR FAST RADIO TRANSIENTS J. M. Cordes & M. A. McLaughlin  THE ATOLL SOURCE STATES OF 4U 1608—52 Sieve van Straaten, Michiel can der Klis, & Mariano Mende: AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. I. ASTROMETRY AND PHOTOMETRY Peter D. Edmonds, Roundl L. Gillland, Craig O. Heinke, & Jonathan E. Grindlay  CHANDRA OBSERVATIONS OF THE FAINTEST LOW-MASS X-RAY BINARIES Colleen, A. Wilson, Sandeep K. Patel, Chryssa Koureliotou, Peter G. Janker, Michiel van der Klis, Walter H. G. Lewin, Tomaso Belonia, & Mariano Mende:  NEAR-INFRARED SPECTROPHOTOMETRY AND THE CO EMISSION IN V2274 CYGNI (NOVA CYGNI 2011 No. 1) Richard J. Muly, William L. Dangil, David K. Lynch, S. Mazuk, Catherine C. Venturini, John C. Wilson, R. C. Puetter, & R. Brad Perry GLOBAL ASYMPTOTIC SOLUTIONS FOR RELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heywaerts & Colin Norman  KINETIC ENERGY FLUX VERSUS POYNTING FLUX IN MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heywaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heywaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heywaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heywaerts & Colin Norman  GLOBAL ASYMPTOTIC
TRANSITION FROM COLLISIONLESS TO COLLISIONAL MAGNETOROTATIONAL INSTABILITY Prateck Sharma, Gregory W. Hammert, & Eliot Quataert  HOLLOW-CONE ACCRETION COLUMNS AND LIGHT-BENDING EFFECTS D. A. Leahy  THE VELA PULSAR'S PROPER MOTION AND PARALLAX DERIVED FROM VLBI OBSERVATIONS R. Dadson, D. Legge, J. E. Reynolds, & P. M. McCalloch  SEARCHES FOR FAST RADIO TRANSIENTS J. M. Cordes & M. A. McLaughlin  THE ATOLL SOURCE STATES OF 4U 1608-52 Sieve van Straaten, Michiel van der Klis, & Mariano Ménde:  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. I. ASTROMETRY AND PHOTOMETRY Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jounthum E. Grindlay  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. II. TIME SERIES AND ANALYSIS Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jounthum E. Grindlay  CHANDRA OBSERVATIONS OF THE FAINTEST LOW-MASS X-RAY BINARIES  Colleen. A. Wilson, Sandeep & Patel, Chryssa Koureliotou, Peter G. Jonker, Michiel van der Klis, Walter H. G. Lewin, Tomaso Belolina, & Mariano Méndez  NEAR-INFRARED SPECTROPHOTOMETRY AND THE CO EMISSION IN V2274 CYGNI (NOVA CYGNI 2001 No. 1)  Richard J. Rady, William L. Dimpfl, David K. Lynch, S. Mazuk, Catherine C. Venturini, John C. Wilson, R. C. Puetter, & R. Brad Perry  GLOBAL ASYMPTOTIC SOLUTIONS FOR RELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  THE UNUSUAL 2001 PERIASTRON PASSAGE IN THE "CLOCKWORK" COLLIDING-WIND  BINARY WR 140  S. V. Marchenko, A. F. J. Moffat, D. Ballereau, J. Chaucille, J. Zorec, G. M. Hill, K. Annuk, L. J. Corral, H. Demers, P. R. J. Eenens, K. P. Panor, W. Seggewiss, J. R. Thomson, & A. Villan-Sbaffi  HIGH-PRECISION LIMB-DARKENING MEASUREMENT OF A K3 GIANT USING MICROLENSING
HOLLOW-CONE ACCRETION COLUMNS AND LIGHT-BENDING EFFECTS  D. A. Leuhy  THE VELA PULSAR'S PROPER MOTION AND PARALLAX DERIVED FROM VLBI OBSERVATIONS  R. Dodson, D. Legge, J. E. Reynolds, & P. M. McCalloch  SEARCHES FOR FAST RADIO TRANSIENTS  J. M. Cordes & M. A. McLaughlin  THE ATOLL SOURCE STATES OF 4U 1608—52  Sieve van Strauten, Michiel van der Klis. & Mariano Ménde:  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. I. ASTROMETRY AND PHOTOMETRY Peter D. Edmonds, Ronald L. Gilliland, Craigo O Heinke, de Jonathan E. frindlay  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. II. TIME SERIES AND ANALYSIS Peter D. Edmonds, Ronald L. Gilliland, Craigo O Heinke, de Jonathan E. frindlay  CHANDRA OBSERVATIONS OF THE FAINTEST LOW-MASS X-RAY BINARIES  Coleen. A. Wilson, Sandeep K. Patel, Chryssa Kouveliotou, Peter G. Jonker, Michiel van der Klis, Walter H. G. Lewin, Tomaso Belloni, & Mariano Méndez  NEAR-INFRARED SPECTROPHOTOMETRY AND THE CO EMISSION IN V2274 CYGNI  (NOVA CYGNI 2001 No. 1)  Richard J. Rady, William L. Dimpfl, David K. Lynch, S. Mazuk, Catherine C. Venturini, John C. Wilson, R. C. Puetter, & R. Brad Perry  GLOBAL ASYMPTOTIC SOLUTIONS FOR RELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS  Jean Heywaerts & Colin Norman  KINETIC ENERGY FLUX VERSUS POYNTING FLUX IN MAGNETOHYDRODYNAMIC JETS AND WINDS  Jean Heywaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS  Jean Heywaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS  Jean Heywaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS  Jean Heywaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS  Jean Heywaerts & Colin Norman  J. Chaucille, J. Zorec, G. M. Hill, K. Annuk, L. J. Corral, H. Demers, P. R. J. Eenens, K. P
THE VELA PULSAR'S PROPER MOTION AND PARALLAX DERIVED FROM VLBI OBSERVATIONS  R Dodson, D. Legge, J. E. Reynolds, & P. M. McCulloch  SEARCHES FOR FAST RADIO TRANSIENTS  J. M. Cordes & M. A. McLaughlin  THE ATOLL SOURCE STATES OF 4U 1608-52 Sieve van Strauten, Michiel van der Klis, & Mariano Ménde:  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. I. ASTROMETRY AND PHOTOMETRY Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jonathan E. Grindlay  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. II. TIME SERIES AND ANALYSIS Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jonathan E. Grindlay  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. II. TIME SERIES AND ANALYSIS Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jonathan E. Grindlay  CHANDRA OBSERVATIONS OF THE FAINTEST LOW-MASS X-RAY BINARIES Colleen. A. Wilson, Sandeep K. Patel, Chryssa Koureliotou, Peter G. Jonker, Michiel van der Klis, Walter H. G. Lewin, Tomaso Belloni, & Mariano Ménde:  NEAR-INFRARED SPECTROPHOTOMETRY AND THE CO EMISSION IN V2274 CYGNI (NOVA CYGNI 2001 No. 1) Richard J. Rudy, William L. Dimpfl, David K. Lynch, S. Mazuk, Catherine C. Venturini, John C. Wilson, R. C. Puetter, & R. Brad Perry  GLOBAL ASYMPTOTIC SOLUTIONS FOR RELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  KINETIC ENERGY FLUX VERSUS POYNTING FLUX IN MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  THE UNUSUAL 2001 PERIASTRON PASSAGE IN THE "CLOCKWORK" COLL
R. Dodson, D. Legge, J. E. Reynolds, & P. M. McCulloch  SEARCHES FOR FAST RADIO TRANSIENTS J. M. Cordes & M. A. McLaughlin  THE ATOLL SOURCE STATES OF 4U 1608-52 Sieve an Straaten, Michiel van der Klis, & Mariano Méndez  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. I. ASTROMETRY AND PHOTOMETRY Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jonathan E. Grindlay  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. II. TIME SERIES AND ANALYSIS Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jonathan E. Grindlay  CHANDRA OBSERVATIONS OF THE FAINTEST LOW-MASS X-RAY BINARIES Colleen, A. Wilson, Sandeep K. Patel, Chryssa Kouseliotou, Peter G. Jonker, Michiel van der Klis, Walter H. G. Lewin, Tomaso Belloni, & Mariano Méndez  NEAR-INFRARED SPECTROPHOTOMETRY AND THE CO EMISSION IN V2274 CYGNI (NOVA CYGRI 2001 No. 1) Richard J. Rudy, William L. Dimpfl, David K. Lynch, S. Mazuk, Catherine C. Venturini., John C. Wilson, R. C. Puetter, & R. Brad Perry  GLOBAL ASYMPTOTIC SOLUTIONS FOR RELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  KINETIC ENERGY FLUX VERSUS POYNTING FLUX IN MAGNETOHYDRODYNAMIC WINDS AND JETS: THE INTERMEDIATE REGIME Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  THE UNUSUAL 2001 PERIASTRON PASSAGE IN THE "CLOCKWORK" COLLIDING-WIND  BINARY WR 140  S. V. Marchenko, A. F. J.
THE ATOLL SOURCE STATES OF 4U 1608–52 Stere can Straaten, Michiel van der Klis, & Mariano Méndez  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. I. ASTROMETRY AND PHOTOMETRY Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jonathan E. Grindlay  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. II. TIME SERIES AND ANALYSIS Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jonathan E. Grindlay  CHANDRA OBSERVATIONS OF THE FAINTEST LOW-MASS X-RAY BINARIES Colleen. A. Wilson, Sandeep K. Patel, Chryssa Koweliotou, Peter G. Jonker, Michiel van der Klis, Walter H. G. Lewin, Tomaso Belloni, & Mariano Méndez  NEAR-INFRARED SPECTROPHOTOMETRY AND THE CO EMISSION IN V2274 CYGNI (NOVA CYGNI 2001 No. 1) Richard J. Rudy, William L. Dinpfl, David K. Lynch, S. Mazuk, Catherine C. Venturini., John C. Wilson, R. C. Puetter, & R. Brad Perry  GLOBAL ASYMPTOTIC SOLUTIONS FOR RELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  KINETIC ENERGY FLUX VERSUS POYNTING FLUX IN MAGNETOHYDRODYNAMIC WINDS AND JETS: THE INTERMEDIATE REGIME Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  THE UNUSUAL 2001 PERIASTRON PASSAGE IN THE "CLOCKWORK" COLLIDING-WIND BINARY WR 140  S. V. Marchenko, A. F. J. Moffat, D. Ballereau, J. Chaweille, J. Zorec, G. M. Hill, K. Annuk, L. J. Corral, H. Demers, P. R. J. Eenens, K. P. Panor, W. Seggewiss, J. R. Thomson, & A. Villar-Sbalfi HIGH-PRECISION LIMB-DARKENING MEASUREMENT OF A K3 GIANT USING MICROLENSING
AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. I. ASTROMETRY AND PHOTOMETRY Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jonathan E. Grindlay  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. II. TIME SERIES AND ANALYSIS Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jonathan E. Grindlay  CHANDRA OBSERVATIONS OF THE FAINTEST LOW-MASS X-RAY BINARIES Colleen, A. Wilson, Sandeep & Patel, Chryssa Kouveliotou, Peter G. Jonker, Michiel van der Klis, Walter H. G. Lewin, Tomaso Belloni, & Mariano Méndez  NEAR-INFRARED SPECTROPHOTOMETRY AND THE CO EMISSION IN V2274 CYGNI (NOVA CYGNI 2001 No. 1) Richard J. Rudy, William L. Dimpfl, David K. Lynch, S. Mazuk, Catherine C. Venturini, John C. Wilson, R. C. Puetter, & R. Brad Perry  GLOBAL ASYMPTOTIC SOLUTIONS FOR RELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heywaerts & Colin Norman  KINETIC ENERGY FLUX VERSUS POYNTING FLUX IN MAGNETOHYDRODYNAMIC WINDS AND JETS: THE INTERMEDIATE REGIME Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS 124 Jean Heyvaerts & Colin Norman  THE UNUSUAL 2001 PERIASTRON PASSAGE IN THE "CLOCKWORK" COLLIDING-WIND BINARY WR 140 ® S. V. Marchenko, A. F. J. Moffat, D. Ballereau, J. Chawille, J. Zorec, G. M. Hill, K. Annuk, L. J. Corral, H. Demers, P. R. J. Eenens, K. P. Panov, W. Seggewiss, J. R. Thomson, & A. Villar-Shaffi HIGH-PRECISION LIMB-DARKENING MEASUREMENT OF A K.3 GIANT USING MICROLENSING
IN THE GLOBULAR CLUSTER 47 TUCANAE. I. ASTROMETRY AND PHOTOMETRY Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jonathan E. Grindlay  AN EXTENSIVE CENSUS OF HUBBLE SPACE TELESCOPE COUNTERPARTS TO CHANDRA X-RAY SOURCES IN THE GLOBULAR CLUSTER 47 TUCANAE. II. TIME SERIES AND ANALYSIS Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jonathan E. Grindlay  CHANDRA OBSERVATIONS OF THE FAINTEST LOW-MASS X-RAY BINARIES Colleen. A. Wilson, Sandeep K. Patel, Chryssa Kouveliotou, Peter G. Jonker, Michiel van der Klis, Walter H. G. Lewin, Tomaso Belloni, & Mariano Méndez  NEAR-INFRARED SPECTROPHOTOMETRY AND THE CO EMISSION IN V2274 CYGNI (NOVA CYGNI 2001 No. 1) Richard J. Rudy, William L. Dimpfl, David K. Lynch, S. Mazuk, Catherine C. Venturini, John C. Wilson, R. C. Puetter, & R. Brad Perry  GLOBAL ASYMPTOTIC SOLUTIONS FOR RELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  KINETIC ENERGY FLUX VERSUS POYNTING FLUX IN MAGNETOHYDRODYNAMIC WINDS AND JETS: THE INTERMEDIATE REGIME Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  THE UNUSUAL 2001 PERIASTRON PASSAGE IN THE "CLOCKWORK" COLLIDING-WIND BINARY WR 140  S. V. Marchenko, A. F. J. Moffat, D. Ballereau, J. Chawille, J. Zorec, G. M. Hill, K. Annuk, L. J. Corral, H. Demers, P. R. J. Eenens, K. P. Panov, W. Seggewiss, J. R. Thomson, & A. Villar-Shaffi  HIGH-PRECISION LIMB-DARKENING MEASUREMENT OF A K.3 GIANT USING MICROLENSING
IN THE GLOBULAR CLUSTER 47 TUCANAE. II. TIME SERIES AND ANALYSIS  Peter D. Edmonds, Ronald L. Gilliland, Craig O. Heinke, & Jonathan E. Grindlay  CHANDRA OBSERVATIONS OF THE FAINTEST LOW-MASS X-RAY BINARIES Colleen. A. Wilson, Sandeep K. Patel, Chryssa Kouveliotou, Peter G. Jonker, Michiel van der Klis, Walter H. G. Lewin, Tomaso Belloni, & Mariano Méndez  NEAR-INFRARED SPECTROPHOTOMETRY AND THE CO EMISSION IN V2274 CYGNI (NOVA CYGNI 2001 No. 1) Richard J. Rudy, William L. Dimpfl, David K. Lynch, S. Mazuk, Catherine C. Venturini, John C. Wilson, R. C. Puetter, & R. Brad Perry  GLOBAL ASYMPTOTIC SOLUTIONS FOR RELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  KINETIC ENERGY FLUX VERSUS POYNTING FLUX IN MAGNETOHYDRODYNAMIC WINDS AND JETS: THE INTERMEDIATE REGIME Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heyvaerts & Colin Norman  THE UNUSUAL 2001 PERIASTRON PASSAGE IN THE "CLOCKWORK" COLLIDING-WIND BINARY WR 140   S. V. Marchenko, A. F. J. Moffat, D. Ballereau, J. Chauville, J. Zorec, G. M. Hill, K. Annuk, L. J. Corral, H. Demers, P. R. J. Eenens, K. P. Panov, W. Seggewiss, J. R. Thomson, & A. Villar-Sbaffi  HIGH-PRECISION LIMB-DARKENING MEASUREMENT OF A K3 GIANT USING MICROLENSING
Colleen. A. Wilson, Sandeep K. Patel, Chryssa Kouveliotou, Peter G. Jonker, Michiel van der Klis, Walter H. G. Lewin, Tomaso Belloni, & Mariano Mêndez  NEAR-INFRARED SPECTROPHOTOMETRY AND THE CO EMISSION IN V2274 CYGNI (NOVA CYGNI 2001 No. 1) Richard J. Rudy, William L. Dimpfl, David K. Lynch, S. Mazuk, Catherine C. Venturini, John C. Wilson, R. C. Puetter, & R. Brad Perry  GLOBAL ASYMPTOTIC SOLUTIONS FOR RELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heywaerts & Colin Norman  KINETIC ENERGY FLUX VERSUS POYNTING FLUX IN MAGNETOHYDRODYNAMIC WINDS AND JETS: THE INTERMEDIATE REGIME Jean Heywaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS Jean Heywaerts & Colin Norman  THE UNUSUAL 2001 PERIASTRON PASSAGE IN THE "CLOCKWORK" COLLIDING-WIND BINARY WR 140  S. V. Marchenko, A. F. J. Moffat, D. Ballereau, J. Chawille, J. Zorec, G. M. Hill, K. Annuk, L. J. Corral, H. Demers, P. R. J. Eenens, K. P. Panov, W. Seggewiss, J. R. Thomson, & A. Villar-Shaffi  HIGH-PRECISION LIMB-DARKENING MEASUREMENT OF A K3 GIANT USING MICROLENSING
(NOVA CYGNI 2001 No. 1)  Richard J. Rudy, William L. Dimpfl, David K. Lynch, S. Mazuk, Catherine C. Venturini, John C. Wilson, R. C. Puetter, & R. Brad Perry  GLOBAL ASYMPTOTIC SOLUTIONS FOR RELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS  Jean Heywaerts & Colin Norman  KINETIC ENERGY FLUX VERSUS POYNTING FLUX IN MAGNETOHYDRODYNAMIC WINDS AND JETS:  THE INTERMEDIATE REGIME  Jean Heywaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS  Jean Heywaerts & Colin Norman  THE UNUSUAL 2001 PERIASTRON PASSAGE IN THE "CLOCKWORK" COLLIDING-WIND  BINARY WR 140   S. V. Marchenko, A. F. J. Moffat, D. Ballereau, J. Chawille, J. Zorec, G. M. Hill, K. Annuk, L. J. Corral, H. Demers, P. R. J. Eenens, K. P. Panov, W. Seggewiss, J. R. Thomson, & A. Villar-Shaffi  HIGH-PRECISION LIMB-DARKENING MEASUREMENT OF A K3 GIANT USING MICROLENSING
KINETIC ENERGY FLUX VERSUS POYNTING FLUX IN MAGNETOHYDRODYNAMIC WINDS AND JETS: THE INTERMEDIATE REGIME  Jean Heywaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS  Jean Heywaerts & Colin Norman  THE UNUSUAL 2001 PERIASTRON PASSAGE IN THE "CLOCKWORK" COLLIDING-WIND  BINARY WR 140  S. V. Marchenko, A. F. J. Moffat, D. Ballereau, J. Chawille, J. Zorec, G. M. Hill, K. Annuk, L. J. Corral, H. Demers, P. R. J. Eenens, K. P. Panov, W. Seggewiss, J. R. Thomson, & A. Villar-Shaffi  HIGH-PRECISION LIMB-DARKENING MEASUREMENT OF A K3 GIANT USING MICROLENSING
THE INTERMEDIATE REGIME  Jean Heywaerts & Colin Norman  GLOBAL ASYMPTOTIC SOLUTIONS FOR NONRELATIVISTIC MAGNETOHYDRODYNAMIC JETS AND WINDS  Jean Heywaerts & Colin Norman  THE UNUSUAL 2001 PERIASTRON PASSAGE IN THE "CLOCKWORK" COLLIDING-WIND  BINARY WR 140   S. V. Marchenko, A. F. J. Moffat, D. Ballereau, J. Chawille, J. Zorec, G. M. Hill, K. Annuk, L. J. Corral, H. Demers, P. R. J. Eenens, K. P. Panov, W. Seggewiss, J. R. Thomson, & A. Villar-Shaffi  HIGH-PRECISION LIMB-DARKENING MEASUREMENT OF A K3 GIANT USING MICROLENSING
Jean Heyvaerts & Colin Norman  THE UNUSUAL 2001 PERIASTRON PASSAGE IN THE "CLOCKWORK" COLLIDING-WIND  BINARY WR 140  S. V. Marchenko, A. F. J. Moffat, D. Ballereau, J. Chauville, J. Zorec, G. M. Hill, K. Annuk, L. J. Corral, H. Demers, P. R. J. Eenens, K. P. Panov, W. Seggewiss, J. R. Thomson, & A. Villar-Shaffi  HIGH-PRECISION LIMB-DARKENING MEASUREMENT OF A K3 GIANT USING MICROLENSING
BINARY WR 140 © S. V. Marchenko, A. F. J. Moffat, D. Ballereau, J. Chawille, J. Zorec, G. M. Hill, K. Annuk, L. J. Corral, H. Demers, P. R. J. Eenens, K. P. Panov, W. Seggewiss, J. R. Thomson, & A. Villar-Sbaffi  HIGH-PRECISION LIMB-DARKENING MEASUREMENT OF A K3 GIANT USING MICROLENSING
HIGH-PRECISION LIMB-DARKENING MEASUREMENT OF A K3 GIANT USING MICROLENSING
K. Hill, U. G. Jorgensen, S. Kane, R. Martin, J. Menzies, R. W. Pogge, K. R. Pollard, P. D. Sackett, K. C. Sahu, P. Vermaak, R. Watson, A. Williams (The PLANET Collaboration), JF. Glicenstein, & P. H. Hauschildt
PROBING THE SPATIAL DISTRIBUTION OF EXTRASOLAR PLANETS WITH GRAVITATIONAL MICROLENSING Cheongho Han & Young Woon Kang
THE NEW TRANSITING PLANET OGLE-TR-56b: ORBIT AND ATMOSPHERE  Dimitar D. Sasselov  13
STABLE 1:2 RESONANT PERIODIC ORBITS IN ELLIPTIC THREE-BODY SYSTEMS  Nader Haghighipour, Jocelyn Couetdic, Ferenc Varadi, & William B. Moore
FLUX ROPE ACCELERATION AND ENHANCED MAGNETIC RECONNECTION RATE C. Z. Cheng, Y. Ren, G. S. Choe, & YJ. Moon
Hα IMPACT POLARIZATION OBSERVED IN A GRADUAL FLARE  Y. Hanaoka
LABORATORY SPECTRUM OF THE 1 <sub>11</sub> -2 <sub>02</sub> ROTATIONAL TRANSITION OF CH <sub>2</sub> Ernest A. Michael, Frank Lewen, Gisbert Winnewisser, Hiroyuki Ozeki, Hideta Habara, & Eric Herbst
INDEX TO VOLUMES 594–596, PARTS 1 AND 2



